

# **Saving Lives Through Data**

**29<sup>th</sup> International  
Traffic Records Forum  
Denver, Colorado**

**Jeffrey W. Runge, MD  
Administrator, NHTSA**



## 10 Leading Causes of Death, United States 2000, All Races, Both Sexes

Rank	Age Groups										All Ages
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 5,743	<u>Unintentional Injury</u> 1,826	<u>Unintentional Injury</u> 1,391	<u>Unintentional Injury</u> 1,588	<u>Unintentional Injury</u> 14,113	<u>Unintentional Injury</u> 11,769	Malignant Neoplasms 16,520	Malignant Neoplasms 48,034	Malignant Neoplasms 89,005	Heart Disease 593,707	Heart Disease 710,760
2	Short Gestation 4,397	Congenital Anomalies 495	Malignant Neoplasms 489	Malignant Neoplasms 525	<u>Homicide</u> 4,939	<u>Suicide</u> 4,792	<u>Unintentional Injury</u> 15,413	Heart Disease 35,480	Heart Disease 63,399	Malignant Neoplasms 392,366	Malignant Neoplasms 553,091
3	SIDS 2,523	Malignant Neoplasms 420	Congenital Anomalies 198	<u>Suicide</u> 300	<u>Suicide</u> 3,994	<u>Homicide</u> 4,164	Heart Disease 13,181	<u>Unintentional Injury</u> 12,278	Chronic Low. Respiratory Disease 10,739	Cerebro-vascular 148,045	Cerebro-vascular 167,661
4	Maternal Pregnancy Comp. 1,404	<u>Homicide</u> 356	<u>Homicide</u> 140	<u>Homicide</u> 231	Malignant Neoplasms 1,713	Malignant Neoplasms 3,916	<u>Suicide</u> 6,562	Liver Disease 6,654	Cerebro-vascular 9,956	Chronic Low. Respiratory Disease 106,375	Chronic Low. Respiratory Disease 122,009
5	Placenta Cord Membranes 1,062	Heart Disease 181	Heart Disease 106	Congenital Anomalies 201	Heart Disease 1,031	Heart Disease 2,958	HIV 5,919	Cerebro-vascular 6,011	Diabetes Mellitus 9,186	Influenza & Pneumonia 58,557	<u>Unintentional Injury</u> 97,900
6	Respiratory Distress 999	Influenza & Pneumonia 103	Benign Neoplasms 62	Heart Disease 165	Congenital Anomalies 441	HIV 2,437	Liver Disease 3,371	<u>Suicide</u> 5,437	<u>Unintentional Injury</u> 7,505	Diabetes Mellitus 52,414	Diabetes Mellitus 69,301
7	<u>Unintentional Injury</u> 881	Septicemia 99	Chronic Low. Respiratory Disease 48	Chronic Low. Respiratory Disease 91	Cerebro-vascular 199	Diabetes Mellitus 623	<u>Homicide</u> 3,219	Diabetes Mellitus 4,954	Liver Disease 5,774	Alzheimer's Disease 48,993	Influenza & Pneumonia 65,313
8	Bacterial Sepsis 768	Perinatal Period 79	Influenza & Pneumonia 47	Cerebro-vascular 51	Chronic Low. Respiratory Disease 190	Cerebro-vascular 602	Cerebro-vascular 2,599	HIV 4,142	Nephritis 3,100	Nephritis 31,225	Alzheimer's Disease 49,558
9	Circulatory System Disease 663	Benign Neoplasms 53	Septicemia 38	Influenza & Pneumonia 40	Influenza & Pneumonia 189	Congenital Anomalies 477	Diabetes Mellitus 1,926	Chronic Low. Respiratory Disease 3,251	<u>Suicide</u> 2,945	<u>Unintentional Injury</u> 31,051	Nephritis 37,251
10	Intrauterine Hypoxia 630	Chronic Low. Respiratory Disease 51	Two Tied 25	Benign Neoplasms 37	HIV 179	Liver Disease 415	Influenza & Pneumonia 1,068	Viral Hepatitis 1,894	Septicemia 2,899	Septicemia 24,786	Septicemia 31,224

# Persons Killed and Injured In Traffic Crashes

	Year		% Change
	2001	2002	
Killed	42,116	42,850	+1.7%
Injured	3,033,000	2,914,000	-3.9%

Source: FARS, NASS GES

# 1.0 Fatalities

**Per 100M VMT by 2008**



**U.S. Department  
of Transportation**

**Federal Highway  
Administration**

# Motor Vehicle Crash Cost 2000



- Total annual cost - **\$230.6 billion**

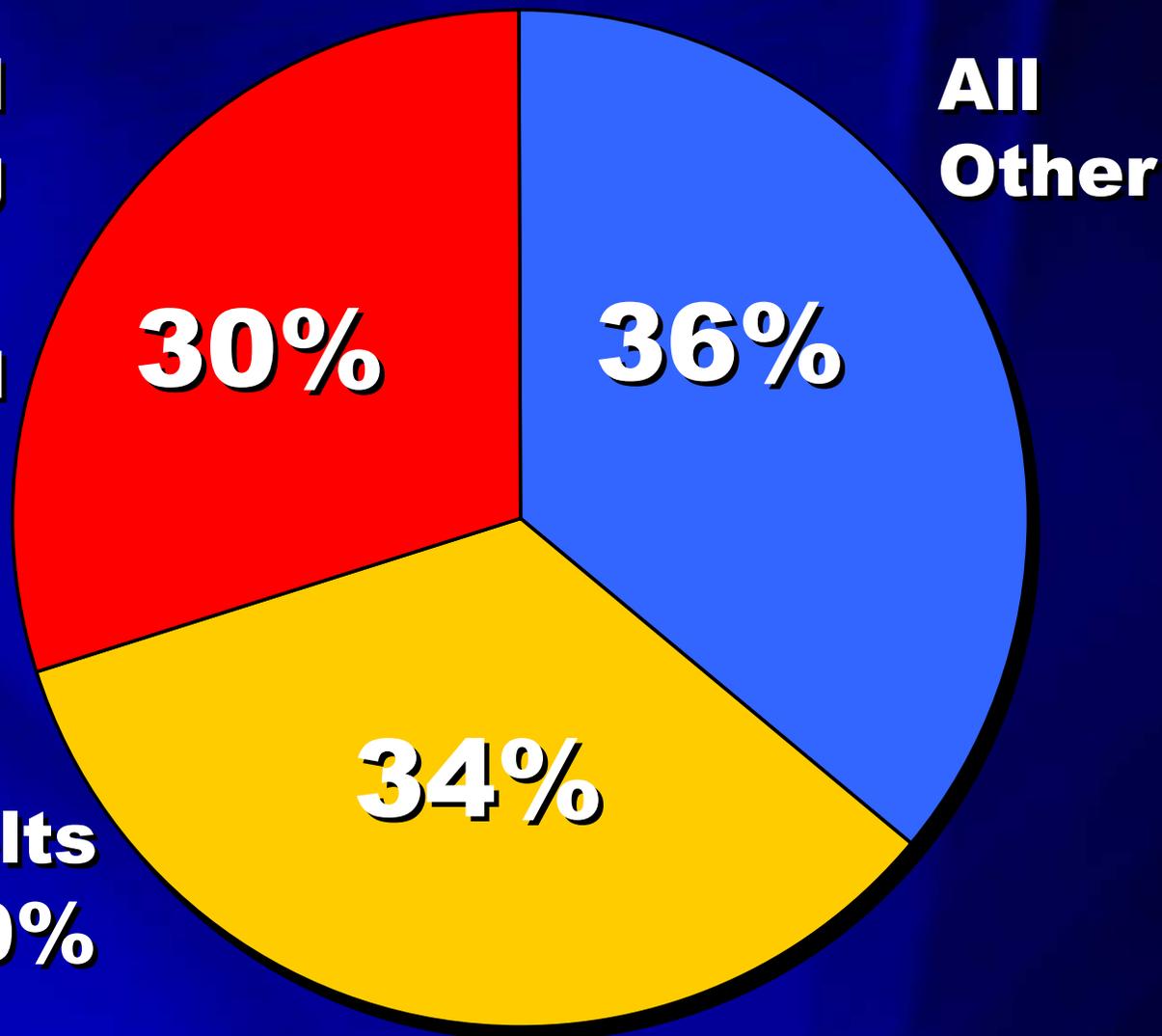
- Highlights

- Non use of belts - \$20 billion
- Impaired driving - \$51 billion
- Speeding - \$40 billion

# Predicted Lives Saved by Countermeasure

**Impaired Driving**  
[Reduce a/r rate to  
.44 per 100M VMT  
(2000 baseline of .61)]

**Safety Belts  
at 90%**



# Priorities for 2003....and Beyond

- Safety Belts
- Impaired Driving
- Inter-vehicle compatibility
- Rollovers
- Data

# Reauthorization: *SAFETEA*

**S**afe

**A**ccountable

**F**lexible and

**E**fficient

**T**ransportation

**E**quity

**A**ct of 2003

# **SAFETEA: Key Elements**

- **Flexibility and accountability**
- **Safer, simpler, smarter**
- **\$7.5 billion for safety projects**
- **Strategic Highway Safety Plan is key**

# Strategic Highway Safety Plan

- **Developed by States**
- **Collaborative process**
- **Data-based**
- **US DOT approves**

# Data Improvement Incentive Grants

- \$300 million available to States

- Funds to enhance

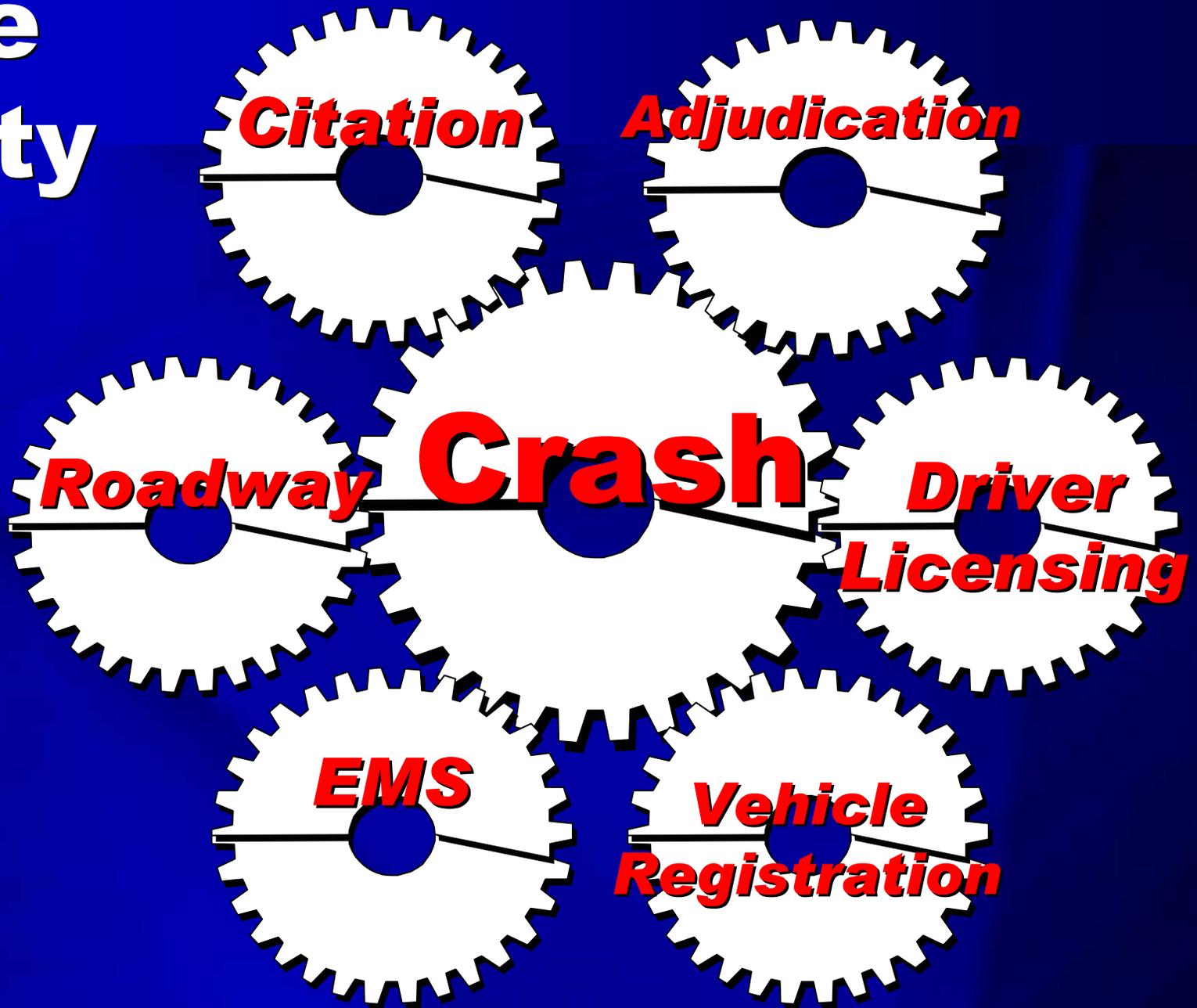
  - Data collection

  - Storage

  - Transfer

  - Analysis

# State Safety Data



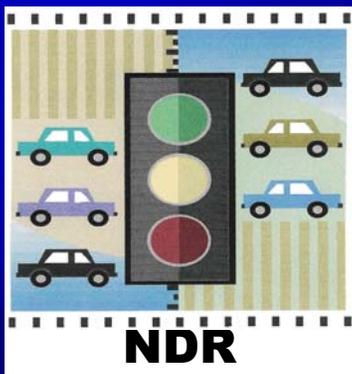


**CLICK IT**

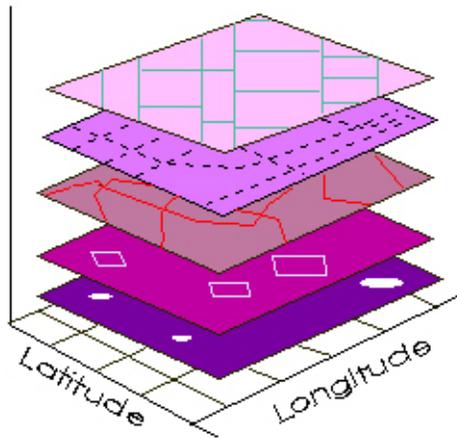
**OR**

**TICKET**

# NHTSA Data Bases

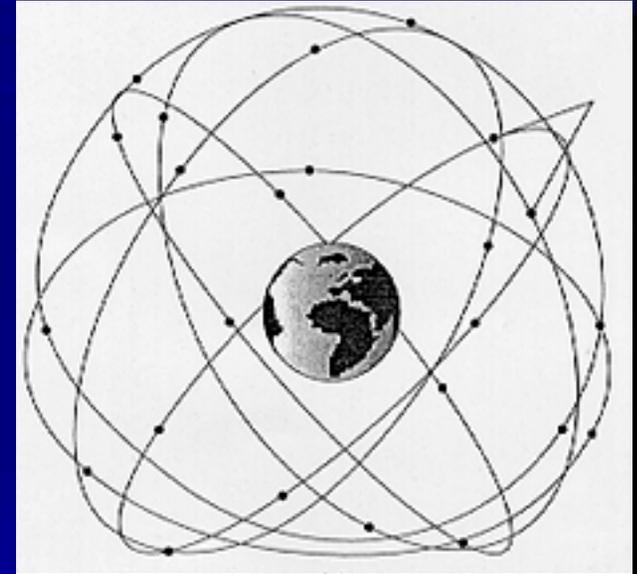


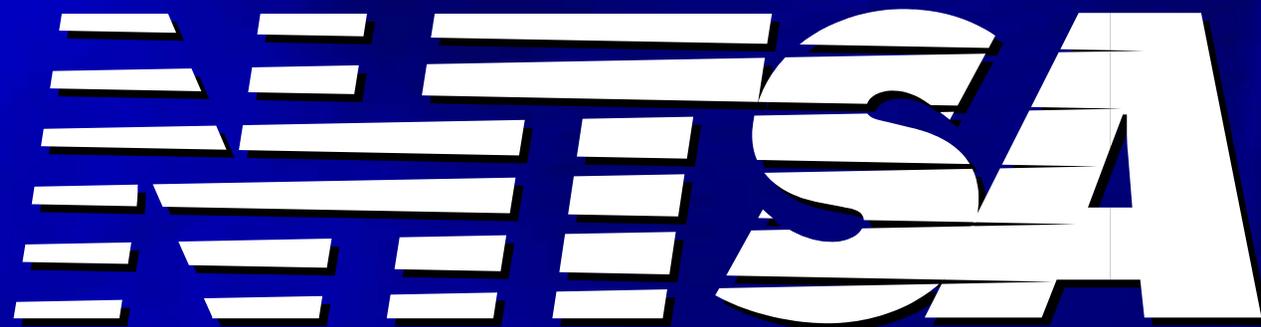
# New Technologies



**GIS**

**Census Tracts**  
**Roads**  
**Bus Routes**  
**Shopping Centers**  
**Industrial Sites**





**People Saving People**

**[www.nhtsa.dot.gov](http://www.nhtsa.dot.gov)**

**1-888-327-4236**